Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Monday 01 Jan 2024 until 23:59 on Tuesday 02 Jan 2024

Forecast Issued on Sunday 31 Dec 2023 at 16:31

Confidence: High for remaining unsettled through the coming days but lower for details of timing of the various more persistent bands of rain and northward extent of rain on Tuesday.

Headline for Monday 01 Jan 2024: Early and late rain, but dry with sunny spells through middle of the day. Breezy.

Mountain weather hazards on Monday 01 Jan 2024

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
Low Likelihood

Severe chill effect
Low Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Light rain	Light rain showers (night)	Sunny intervals	Sunny intervals	Sunny intervals	Light rain	Heavy Rain
Precipitation probability							
70%	60%	30%	20%	<05%	10%	60%	>95%

Forecast for Monday 01 Jan 2024

Weather: Cloudy with outbreaks of rain, persistent and occasionally heavy at times through the early hours, the rain turning more showery towards dawn. Then a bright day with sunny spells and a few early showers. However cloud increases towards the end of the afternoon with further outbreaks of rain spreading northeast through the evening, and becoming heavier and more persistent later.

Chance of cloud-free hill tops above 600m: Little chance at first rising close to 100% by mid-morning. Chances fall again in the evening

Low cloud and visibility: Periods or persistent cloud above about 450-600m, with patches below, at first and again from early evening, becoming more occasional above 600m soon after dawn with little cloud expected below summits by mid-morning and through the afternoon. Away from cloud visibility very good but falling to several kilometres in rain and showers.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Monday 01 Jan 2024

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	30/40 W	33/44 W	34/45 W	26/35 W	21/29 SW	15/20 SW	16/23 S	20/28 SE	23/31 SE
300	23/35 W	23/35 W	22/33 W	18/28 W	14/21 SW	10/17 S	11/20 SE	15/25 SE	17/28 SE
Valley	16/32 W	17/35 W	16/33 W	12/26 W	9/19 SW	6/15 S	8/18 SE	11/24 SE	11/25 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-4	2/-5	2/-6	2/-6	1/-5	2/-3	2/-4	2/-5	3/-3
300	5/-1	5/-1	4/-1	4/-2	4/-1	4/1	4/0	4/-0	5/1
Valley	5/1	5/1	5/0	4/0	5/1	5/3	4/1	4/1	5/2
Freezing Level*	1000m	1000m	900m	800m	800m	700m	900m	1200m	1500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts around 55mph over higher peaks until soon after dawn.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sun 31 Dec 2023	14.6mm	18.8mm	20.2mm

Forecast for Tuesday 02 Jan 2024

Weather: Occasionally heavy rain clearing through the early hours to leave a bright and dry morning. However, cloud may thicken at times to give some outbreaks of rain, especially across the south of the area.

Maximum wind: Easterly or southeasterly 20-25mph, with gusts around 40mph over higher peaks through the early hours, easing 10-15mph soon after dawn, before winds turning more southwesterly 15-20mph in the afternoon.

Chance of cloud-free hill tops above 600m: Around 75% through the morning, falling to around 40% in the afternoon.

Low cloud and visibility: Periods or persistent cloud above about 450-600m, with patches below, becoming more occasional above 600-750m by dawn, the cloud becoming periods at times, especially in the south during the afternoon. Away from cloud visibility good or very good falling to several kilometres in rain.

Temperature: **Valleys:** Around plus 4 or 5 Celsius at first rising to plus 8 or 9 Celsius by day
At 600m: Around plus 3 Celsius rising to plus 5 Celsius
Freezing level: Above the summits.

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